

Appln. No. 09/748,586
Amendment dated August 9, 2005
Reply to Office Action of May 10, 2005

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1 - 9 (canceled hereby).

Claim 10 (currently amended). A method of imaging a digital display onto an image plane, said method comprising the steps of:

- a) providing a digital display, a plurality of lenses, and an image plane onto which a photosensitive medium may be superposed, said digital display, said plurality of lenses, and said image plane are spaced along an optical axis extending from said digital display through said plurality of lenses, and toward said image plane such that a digital image provided by said display can be brought into focus onto said imaging image plane by said plurality of lenses, and one of said plurality of lenses is a transposable lens, said transposable lens capable of being transposed out of said optical axis during the operation of said a printer;
- b) illuminating said digital display with a first digital image data set for a fixed period of time, turning off said digital display;

Appln. No. 09/748,586
Amendment dated August 9, 2005
Reply to Office Action of May 10, 2005

- c) transposing said transposable lens a fixed distance, in a first direction;
- d) illuminating said digital display for a second fixed period of time, using a second digital image data set, turning off said digital display; and
- e) whereby said method of imaging increases the perceived resolution of the digital image focused onto said imaging image plane.

Claim 11 (original). The method of claim 10 wherein a photosensitive medium defines said image plane.

Claim 12 (original). The method of claim 10 wherein said digital display is a microdisplay.

Claim 13 (original). The method of claim 10 wherein said digital display is a liquid crystal display.

Claim 14 (original). The method of claim 10 wherein said fixed distance is a distance being less than the width of one pixel of said digital display.

Claim 15 (original). The method of claim 14 wherein said fixed distance is equal to one half of the width of a pixel on said digital display.

Claim 16 (currently amended). The method of claim 10 wherein further including transposing said

Appln. No. 09/748,586
Amendment dated August 9, 2005
Reply to Office Action of May 10, 2005

transposable lens said fixed distance for a second time, and using a third digital image data set to illuminate said digital display for a third period of time, turning off said digital display.

Claim 17 (currently amended). The method of claim 16 wherein said transposing said transposable lens for a second time is in a second direction, which is different from said first direction.

Claim 18 (currently amended). The method of claim 17 wherein further including transposing said transposable lens said fixed distance for a third time, and using a fourth digital image data set to illuminate said digital display for a fourth fixed period of time, turning off said digital display.

Claim 19 (original). The method of claim 18 wherein said first, second, third and fourth fixed periods of time are a portion of said photosensitive medium's total exposure time.

Claim 20 (currently amended). The method of claim 18 wherein said jogging transposing said transposable lens for a third time is in a third direction, which is different from said first and second directions.